SEQUENCE LISTING

<110> Green, Michael R.
Gollan, Timothy J.

<120> ALTERING VIRAL TROPISM

<130> 07917-166US1

<150> PCT/US03/07323
<151> 2003-03-07

<150> US 60/362,655
<151> 2002-03-08

<160> 26

<170> FastSEQ for Windows Version 4.0

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<400> 1
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
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<210> 2
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<220>
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<400> 2
Ala Pro Asp Thr Pro
1 5

<210> 3
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<400> 3
Cys Leu Pro Val Ala Ser Cys
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<210> 4
<211> 1980
<212> DNA
<213> Murine leukemia virus

<400> 4
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<400> 5
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<210> 6
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<220>
<223> brain targeting sequence

<400> 6
Cys Leu Ser Ser Arg Leu Asp Ala Cys
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<210> 7
<211> 21
<212> PRT
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<220>
<223> brain targeting sequence

<400> 7
Trp Arg Cys Val Leu Arg Glu Gly Pro Ala Gly Gly Cys Ala Trp Phe
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Asn Arg His Arg Leu
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<210> 8
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetically generated peptide

<400> 8
Cys Ala Ala Ala Gly Arg Gly Asp Ser Pro Thr Arg Cys
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<210> 9
<211> 39
<212> DNA
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<223> Synthetically generated oligonucleotide

<400> 9
tgcgcggccg ctggccgtgg cgattctccc acgcgttgt 39

<210> 10
<211> 39
<212> DNA
<213> Artificial Sequence

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<400> 10
acaacgcgtg ggagaatcgc cacggccagc ggccgcgca 39

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<211> 21
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<400> 11
Cys Ala Ala Ala Gln Gly Ala Thr Phe Ala Leu Arg Gly Asp Asn Pro
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Gln Gly Thr Arg Cys
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<400> 12
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<210> 13
<211> 50
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<400> 13
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<400> 14
Gly Arg Gly Asp Ser Pro
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<210> 15
<211> 14
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<220>
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<400> 15
Gln Gly Ala Thr Phe Ala Leu Arg Gly Asp Asn Pro Gln Gly

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<210> 16
<211> 22
<212> DNA
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<223> Synthetically generated oligonucleotide

<400> 16
ttttgtcaag accgacctgt cc 22

<210> 17
<211> 22
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<400> 17
cgggagcggc gataccgtaa ag 22

<210> 18
<211> 21
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<400> 18
Cys Ala Ala Ala Glu Gln Arg Leu Gly Asn Gln Trp Ala Val Gly His
1 5 10 15
Leu Met Thr Arg Cys
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<210> 19
<211> 47
<212> DNA
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<400> 19
ggccgagcag cgcctgggca accagtgggc cgtcggccac ctgatga 47

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<212> DNA
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<400> 20
cgcgtcatca ggtggccgac ggcccactgg ttgcccaggc gctgctc 47

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<400> 21
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gagtgttaca g 71

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<400> 22
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tgcgcacttt acaaggtgtg aagc 84

<210> 23
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<400> 23
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<211> 71
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<400> 24
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<210> 25
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<400> 25
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<211> 56
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<400> 26
Cys Ala Ala Ala Ser His Leu Val Lys Cys Ala Glu Lys Glu Lys Thr
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Phe Cys Val Asn Gly Gly Glu Cys Tyr Arg Val Lys Thr Tyr Gly Tyr
20 25 30
Leu Met Cys Lys Cys Pro Asn Glu Phe Thr Gly Asp Arg Cys Gln Asn
35 40 45
Tyr Val Ile Ala Ser Thr Arg Cys
50 55